Data Bank No., Name	Comparison of Endometriosis versus Normal (Secr. Phase)	Comparison of Endometriosis versus Normal (Prol. Phase)	Comparison of Secr. versus Prol. Phase (Endometrium)
X02761, fibronectin (FN precursor)	down (0 up - 16 down)	down (4 up -12 down)	up (18 up - 1 down)
S37730, insulin-like growth factor binding protein-2	down (1-15)	nc (13-13)	up (17-2)
U40271, Human transmembrane receptor precursor (PTK7)	down (0-14)	nc (6-2)	up (9-1)
M21574, platelet-derived growth factor receptor alpha (PDGFRA)	down (0-13)	nc (8-10)	up (17-0)
L22548, collagen type XVIII alpha 1 (COL18A1)	down (0-13)	down (0-8)	up (17-0)
M80482, subtilisin-like protein (PACE4)	down (1-13)	down (4-13)	up (22-2)
Z26653, laminin M chain (merosin)	down (1-13)	nc (9-10)	up (17-1)
M36860, U77846, Elastin	down (0-12)	nc (0-0)	up (25-0)
X05610, type IV collagen alpha -2 chain	down (0-12)	nc (3-3)	up (11-0)
X67325, p27 Interferon alpha-inducible gene	down (1-12)	nc (9-10)	up (10-2)

Figure 1a

Data Bank No., Name	Comparison of Endometriosis versus Normal (Secr. Phase)	Comparison of Endometriosis versus Normal (Prol. Phase)	Comparison of Secr. versus Prol. Phase (Endometrium)
D42073, reticulocalbin	**down (0-11)**	**nc (8-5)**	**up (11-2)**
U07919, aldehyde dehydrogenase 6	**down (1-11)**	**nc (13-9)**	**up (22-0)**
U81607, gravin	down (1-11)	nc (8-7)	up (18-1)
M30269, nidogen	down (0-10)	nc (8-14)	up (15-3)
D42108, phospholipase C Epsilon	down (1-10)	nc (12-14)	up (25-0)

Figure 1b

Figure 2a

Seq.IDNO	Name	Protein Sequence
1	Fibronectin	MLRGPGPGLL LLAVQCLGTA VPSTGASKSK RQAQQMVQPQ SPVAVSQSKP GCYDNGKHYQ INQQWERTYL GNALVCTCYG GSRGFNCESK PEAEETCFDK YTGNTYRVGD TYERPKDSMI WDCTCIGAGR GRISCTIANR CHEGGQSYKI GDTWRRPHET GGYMLECVCL GNGKGEWTCK PIAEKCFDHA AGTSYVVGET WEKPYQGWMM VDCTCLGEGS GRITCTSRNR CNDQDTRTSY RIGDTWSKKD NRGNLLQCIC TGNGRGEWKC ERHTSVQTTS SGSGPFTDVR AAVYQPQPHP QPPPYGHCVT DSGVVYSVGM QWLKTQGNKQ MLCTCLGNGV SCQETAVTQT YGGNSNGEPC VLPFTYNGRT FYSCTTEGRQ DGHLWCSTTS NYEQDQKYSF CTDHTVLVQT QGGNSNGALC HFPFLYNNHN YTDCTSEGRR DNMKWCGTTQ NYDADQKFGF CPMAAHEEIC TTNEGVMYRI GDQWDKQHDM GHMMRCTCVG NGRGEWTCIA YSQLRDQCIV DDITYNVNDT FHKRHEEGHM LNCTCFGQGR GRWKCDPVDQ CQDSETGTFY QIGDSWEKYV HGVRYQCYCY GRGIGEWHCQ PLQTYPSSSG PVEVFITETP SQPNSHPIQW NAPQPSHISK YILRWRPKNS VGRWKEATIP GHLNSYTIKG LKPGVVYEGQ LISIQQYGHQ EVTRFDFTTT STSTPVTSNT VTGETTPFSP LVATSESVTE ITASSFVVSW VSASDTVSGF RVEYELSEEG DEPQYLDLPS TATSVNIPDL LPGRKYIVNV YQISEDGEQS LILSTSQTTA PDAPPDPTVD QVDDTSIVVR WSRPQAPITG YRIVYSPSVE GSSTELNLPE TANSVTLSDL QPGVQYNITI YAVEENQEST PVVIQQETTG TPRSDTVPSP RDLQFVEVTD VKVTIMWTPP ESAVTGYRVD VIPVNLPGEH GQRLPISRNT FAEVTGLSPG VTYYFKVFAV SHGRESKPLT AQQTTKLDAP TNLQFVNETD STVLVRWTPP RAQITGYRLT VGLTRRGQPR QYNVGPSVSK YPLRNLQPAS EYTVSLVAIK GNQESPKATG VFTTLQPGSS IPPYNTEVTE TTIVITWTPA PRIGFKLGVR PSQGGEAPRE VTSDSGSIVV SGLTPGVEYV YTIQVLRDGQ ERDAPIVNKV VTPLSPPTNL HLEANPDTGV LTVSWERSTT PDITGYRITT TPTNGQQGNS LEEVVHADQS SCTFDNLSPG LEYNVSVYTV KDDKESVPIS DTIIPAVPPP TDLRFTNIGP DTMRVTWAPP PSIDLTNFLV RYSPVKNEED VAELSISPSD NAVVLTNLLP GTEYVVSVSS VYEQHESTPL RGRQKTGLDS PTGIDFSDIT ANSFTVHWIA PRATITGYRI RHHPEHFSGR PREDRVPHSR NSITLTNLTP GTEYVVSIVA LNGREESPLL IGQQSTVSDV PRDLEVVAAT PTSLLISWDA

Figure 2b

Seq.IDNO	Name	Protein Sequence
		PAVTVRYYRI TYGETGGNSP VQEFTVPGSK STATISGLKP GVDYTITVYA VTGRGDSPAS SKPISINYRT EIDKPSQMQV TDVQDNSISV KWLPSSSPVT GYRVTTTPKN GPGPTKTKTA GPDQTEMTIE GLQPTVEYVV SVYAQNPSGE SQPLVQTAVT NIDRPKGLAF TDVDVDSIKI AWESPQGQVS RYRVTYSSPE DGIHELFPAP DGEEDTAELQ GLRPGSEYTV SVVALHDDME SQPLIGTQST AIPAPTDLKF TQVTPTSLSA QWTPPNVQLT GYRVRVTPKE KTGPMKEINL APDSSSVVVS GLMVATKYEV SVYALKDTLT SRPAQGVVTT LENVSPPRRA RVTDATETTI TISWRTKTET ITGFQVDAVP ANGQTPIQRT IKPDVRSYTI TGLQPGTDYK IYLYTLNDNA RSSPVVIDAS TAIDAPSNLR FLATTPNSLL VSWQPPRARI TGYIIKYEKP GSPPREVVPR PRPGVTEATI TGLEPGTEYT IYVIALKNNQ KSEPLIGRKK TDELPQLVTL PHPNLHGPEI LDVPSTVQKT PFVTHPGYDT GNGIQLPGTS GQQPSVGQQM IFEEHGFRRT TPPTTATPIR HRPRPYPPNV GEEIQIGHIP REDVDYHLYP HGPGLNPNAS TGQEALSQTT ISWAPFQDTS EYIISCHPVG TDEEPLQFRV PGTSTSATLT GLTRGATYNI IVEALKDQQR HKVREEVVTV GNSVNEGLNQ PTDDSCFDPY TVSHYAVGDE WERMSESGFK LLCQCLGFGS GHFRCDSSRW CHDNGVNYKI GEKWDRQGEN GQMMSCTCLG NGKGEFKCDP HEATCYDDGK TYHVGEQWQK EYLGAICSCT CFGGQRGWRC DNCRRPGGEP SPEGTTGQSY NQYSQRYHQR TNTNVNCPIE CFMPLDVQAD REDSRE
2	Insulin-like growth factor binding protein-2	MLPRVGCPAL PLPPPPLLPL LPLLLLLLGA SGGGGGARAE VLFRCPPCTP ERLAACGPPP VAPPAAVAAV AGGARMPCAE LVREPGCGCC SVCARLEGEA CGVYTPRCGQ GLRCYPHPGS ELPLQALVMG EGTCEKRRDA EYGASPEQVA DNGDDHSEGG LVENHVDSTM NMLGGGGSAG RKPLKSGMKE LAVFREKVTE QHRQMGKGGK HHLGLEEPKK LRPPPARTPC QQELDQVLER ISTMRLPDER GPLEHLYSLH IPNCDKHGLY NLKQCKMSLN GQRGECWCVN PNTGKLIQGA PTIRGDPECH LFYNEQQEAR GVHTQRMQ

Figure 2c

Seq.IDNO	Name	Protein Sequence
3	Transmembrane receptor PTK7	MGAARGSPAR PRRLPLLSVL LLPLLGGTQT AIVFIKQPSS QDALQGRRAL LRCEVEAPGP VHVYWLLDGA PVQDTERRFA QGSSLSFAAV DPLQDSGTFQ CVARDDVTGE EARSANASFN IKWIEAGPVV LKHPASEAEI QPQTQVKLRC HIDGHPRPTY QWFRDGTPLS DGQSNHTVSS KERNLTLRPA GPEHSGLYSC CAHSAFSQAC SSQNFTLSIA DESFARVVLA PQDVVVARYE EAMFHCQFSA QPPPSLQWLF EDETPITNRS RPPHLRRATV FANGSLLLTQ VRPRNAGIYR CIGQGQRGPP IILEATLHLA EIEDMPLFEP RVFTAGSEER VTCLPPKGLP EPSVWWEHAG VRLPTHGRVY QKGHELVLAN IAESDAGVYT CHAANLAGQR RQDVNITVAT VPSWLKKPQD SQLEEGKPGY LDCLTQATPK PTVVWYRNQM LISEDSRFEV FKNGTLRINS VEVYDGTWYR CMSSTPAGSI EAQAVLQVLE KLKFTPPPQP QQCMGFDKEA TVPCSATGRE KPTIKWERAD GSSLPEWVTD NAGTLHFARV TRDDAGNYTC IASNGPQGQI RAHVQLTVAV FITFKVEPER TTVYQGHTAL LQCEAQGDPK PLIQWKGKDR ILDPTKLGPR MHIFQNGSLV IHDVAPEDSG RYTCIAGNSC NIKHTEAPLY VVDKPVPEES EGPGSPPPYK MIQTIGLSVG AAVAYIIAVL GLMFYCKKRC KAKRLQKQPE GEEPEMECLN GGPLQNGQPS AEIQEEVALT SLGSGPAATN KRHSTSDKMH FPRSSLQPIT TLGKSEFGEV FLAKAQGLEE GVAETLVLVK SLQSKDEQQQ LDFRRELEMF GKLNHANVVR LLGLCREAEP HYMVLEYVDL EDLKQFLRIS KSKDEKLKSQ PLSTKQKVAL CTQVALGMEH LSNNRFVHKD LAARNCLVSA QRQVKVSALG LSKDVYNSEY YHFRQAWVAL RWMSPEAILE GDFSTKSDVW ASGVLMWEVF THGEMPHGGQ ADDEVLADLQ AGKARLPQPE GCPSKLYRLM QRCWALSPKD RPSFSEIASA LGDSTVDSKP
4	Platelet-derived growth factor receptor alpha	MGTSHPAFLV LGCLLTGLSL ILCQLSLPSI LPNENEKVVQ LNSSFSLRCF GESEVSWQYP MSEEESSDVE IRNEENNSGL FVTVLEVSSA SAAHTGLYTC YYNHTQTEEN ELEGRHIYIY VPDPDVAFVP LGMTDYLVIV EDDDSAIIPC RTTDPETPVT LHNSEGVVPA SYDSRQGFNG TFTVGPYICE ATVKGKKFQT IPFNVYALKA

Figure 2d

Seq.IDNO	Name	Protein Sequence
		TSELDLEMEA LKTVYKSGET IVVTCAVFNN EVVDLQWTYP GEVKGKGITM LEEIKVPSIK LVYTLTVPEA TVKDSGDYEC AARQATREVK EMKKVTISVH EKGFIEIKPT FSQLEAVNLH EVKHFVVEVR AYPPPRISWL KNNLTLIENL TEITTDVEKI QEIRYRSKLK LIRAKEEDSG HYTIVAQNED AVKSYTFELL TQVPSSILDL VDDHHGSTGG QTVRCTAEGT PLPDIEWMIC KDIKKCNNET SWTILANNVS NIITEIHSRD RSTVEGRVTF AKVEETIAVR CLAKNLLGAE NRELKLVAPT LRSELTVAAA VLVLLVIVII SLIVLVVIWK QKPRYEIRWR VIESISPDGH EYIYVDPMQL PYDSRWEFPR DGLVLGRVLG SGAFGKVVEG TAYGLSRSQP VMKVAVKMLK PTARSSEKQA LMSELKIMTH LGPHLNIVNL LGACTKSGPI YIITEYCFYG DLVNYLHKNR DSFLSHHPEK PKKELDIFGL NPADESTRSY VILSFENNGD YMDMKQADTT QYVPMLERKE VSKYSDIQRS LYDRPASYKK KSMLDSEVKN LLSDDNSEGL TLLDLLSFTY QVARGMEFLA SKNCVHRDLA ARNVLLAQGK IVKICDFGLA RDIMHDSNYV SKGSTFLPVK WMAPESIFDN LYTTLSDVWS YGILLWEIFS LGGTPYPGMM VDSTFYNKIK SGYRMAKPDH ATSEVYEIMV KCWNSEPEKR PSFYHLSEIV ENLLPGQYKK SYEKIHLDFL KSDHPAVARMVDSDNAYIG VTYKNEEDKL KDWEGGLDEQ RLSADSGYII PLPDIDPVPE EEDLGKRNRH SSQTSEESAI ETGSSSSTFI KREDETIEDI DMMDDIGIDS SDLVEDSFL
5	Collagen type XVIII alpha 1	GEVGADGIPG FPGLPGREGI AGPQGPKGDR GSRGEKGDPG KDGLGQPGLP GPRGPPGPVV YVSEQDGSVL SVPGPEGRRG FAGFPGPAGP KGNLGSKGEL GSPGPKGEKG EPGSIFSPDG GALGPAQKGA KGEPGFRGPP GLYGRPGYKG EIGFPGRPGR PGMNGLKGEK GEPGDASLGF GMRGMPGPPG PPGPPGPPGT PVYDSNVFAE SSRPGPPGLP GNQGPPGPKG PKGEVGPPGP PGQFPFDFLQ KEAEMKGEKG DRGDAGQKGE RGEPGGGGFF GSSLPGAPGA PGPRGYPGIP GPKGESIRGQ PGPPGPQGPP GIGYEGRQGP PGPPGPPGPP SFPGPHRQTI SVPGPPGPPG PPGPPGTMGA SSGQVRLWAT RQAMLGQVHE VPEGWLIFVA EQEELYVRVQ NGFRKVQLEA RTPLPRGTDN EVAALQPPVV QLHDSNPYPR REHPHPTARP WRADDILASP PGLPEPQPYP GGPHHSSYVH CGPARPTSPP AHSHRDFQPV LHLVALNSPL SGGMRGIRGA DFQCFQQARA VGLAGTFRAF LSSRLQDLYS

Figure 2e

Seq.IDNO	Name	Protein sequence
		IVRRADRAAV PIVNLKDELL FPSWEALFSG SEGPLKPGAR IFSFDGKDVL RHPTWPQKSV WHGSDPNGRR LTESYCETWR TEAPSATGQA SSLLGGRLLG QSAASCHHAY IVLCIENSFM TASK
6	Subtilisin-like protein (PACE4	MPPRAPPAPG PRPPPRAAAA TDTAAGAGGA GGAGGAGGPG FRPLAPRPWR WLLLLALPAA CSAPPPRPVY TNHWAVQVLG GPAEADRVAA AHGYLNLGQI GNLEDYYHFY HSKTFKRSTL SSRGPHTFLR MDPQVKWLQQ QEVKRRVKRQ VRSDPQALYF NDPIWSNMWY LHCGDKNSRC RSEMNVQAAW KRGYTGKNVV VTILDDGIER NHPDLAPNYD SYASYDVNGN DYDPSPRYDA SNENKHGTRC AGEVAASANN SYCIVGIAYN AKIGGIRMLD GDVTDVVEAK SLGIRPNYID IYSASWGPDD DGKTVDGPGR LAKQAFEYGI KKGRQGLGSI FVWASGNGGR EGDYCSCDGY TNSIYTISVS SATENGYKPW YLEECASTLA TTYSSGAFYE RKIVTTDLRQ RCTDGHTGTS VSAPMVAGII ALALEANSQL TWRDVQHLLV KTSRPAHLKA SDWKVNGAGH KVSHFYGFGL VDAEALVVEA KKWTAVPSQH MCVAASDKRP RSIPLVQVLR TTALTSACAE HSDQRVVYLE HVVVRTSISH PRRGDLQIYL VSPSGTKSQL LAKRLLDLSN EGFTNWEFMT VHCWGEKAEG QWTLEIQDLP SQVRNPEKQG KLKEWSLILY GTAEHPYHTF SAHQSRSRML ELSAPELEPP KAALSPSQVE VPEDEEDYTA QSTPGSANIL QTSVCHPECG DKGCDGPNAD QCLNCVHFSL GSVKTSRKCV SVCPLGYFGD TAARRCRRCH KGCETCSSRA ATQCLSCRRG FYHHQEMNTC VTLCPAGFYA DESQKNCLKC HPSCKKCVDE PEKCTVCKEG FSLARGSCIP DCEPGTYFDS ELIRCGECHH TCGTCVGPGR EECIHCAKNF HFHDWKCVPA CGEGFYPEEM PGLPHKVCRR CDENCLSCAG SSRNCSRCKT GFTQLGTSCI TNHTCSNADE TFCEMVKSNR LCERKLFIQF CCRTCLLAG
7	Laminin M chain (Merosin	MPGAAGVLLL LLLSGGLGGV QAQRPQQQRQ SQAHQQRGLF PAVLNLASNA LITTNATCGE KGPEMYCKLV EHVPGQPVRN PQCRICNQNS SNPNQRHPIT NAIDGKNTWW QSPSIKNGIE YHYVTITLDL QQVFQIAYVI VKAANSPRPG NWILERSLDD VEYKPWQYHA VTDTECLTLY NIYPRTGPPS YAKDDEVICT SFYSKIHPLE NGEIHISLIN GRPSADDPSP ELLEFTSARY IRLRFQRIRT LNADLMMFAH KDPREIDPIV TRRYYYSVKD ISVGGMCICY GHARACPLDP ATNKSRCECE HNTCGDSCDQ CCPGFHQKPW RAGTFLTKTE CEACNCHGKA

Figure 2f

Seq.IDNO	Name	Protein Sequence
		EECYYDENVA RRNLSLNIRG KYIGGGVCIN CTQNTAGINC ETCTDGFFRP KGVSPNYPRP CQPCHCDPIG
		SLNEVCVKDE KHARRGLAPG SCHCKTGFGG VSCDRCARGY TGYPDCKACN CSGLGSKNED PCFGPCICKE
		NVEGGDCSRC KSGFFNLQED NWKGCDECFC SGVSNRCQSS YWTYGKIQDM SGWYLTDLPG RIRVAPQQDD
		LDSPQQISIS NAEARQALPH SYYWSAPAPY LGNKLPAVGG QLTFTISYDL EEEEEDTERV LQLMIILEGN
		DLSISTAQDE VYLHPSEEHT NVLLLKEESF TIHGTHFPVR RKEFMTVLAN LKRVLLQITY SFGMDAIFRL
		SSVNLESAVS YPTDGSIAAA VEVCQCPPGY TGSSCESCWP RHRRVNGTIF GGICEPCQCF GHAESCDDVT
		GECLNCKDHT GGPYCDKCLP GFYGEPTKGT SEDCQPCACP LNIPSNNFSP TCHLDRSLGL ICDGCPVGYT
		GPRCERCAEG YFGQPSVPGG SCQPCQCNDN LDFSIPGSCD SLSGSCLICK PGTTGRYCEL CADGYFGDAV
		DAKNCQPCRC NAGGSFSEVC HSQTGQCECR ANVQGQRCDK CKAGTFGLQS ARGCVPCNCN SFGSKSFDCE
		ESGQCWCQPG VTGKKCDRCA HGYFNFQEGG CTACECSHLG NNCDPKTGRC ICPPNTIGEK CSKCAPNTWG
		HSITTGCKAC NCSTVGSLDF QCNVNTGQCN CHPKFSGAKC TECSRGHWNY PRCNLCDCFL PGTDATTCDS
		ETKKCSCSDQ TGQCTCKVNV EGIHCDRCRP GKFGLDAKNP LGCSSCYCFG TTTQCSEAKG LIRTWVTLKA
		EQTILPLVDE ALQHTTTKGI VFQHPEIVAH MDLMREDLHL EPFYWKLPEQ FEGKKLMAYG GKLKYAIYFE
		AREETGFSTY NPQVIIRGGT PTHARIIVRH MAAPLIGQLT RHEIEMTEKE WKYYGDDPRV HRTVTREDFL
		DILYDIHYIL IKATYGNFMR QSRISEISME VAEQGRGTTM TPPADLIEKC DCPLGYSGLS CEACLPGFYR
		LRSQPGGRTP GPTLGTCVPC QCNGHSSLCD PETSICQNCQ HHTAGDFCER CALGYYGIVK GLPNDCQQCA
		CPLISSSNNF SPSCVAEGLD DYRCTACPRG YEGQYCERCA PGYTGSPGNP GGSCQECECD PYGSLPVPCD
		PVTGFCTCRP GATGRKCDGC KHWHAREGWE CVFCGDECTG LLLGDLARLE QMVMSINLTG PLPAPYKMLY
		GLENMTQELK HLLSPQRAPE RLIQLAEGNL NTLVTEMNEL LTRATKVTAD GEQTGQDAER TNTRAKSLGE
		FIKELARDAE AVNEKAIKLN ETLGTRDEAF ERNLEGLQKE IDQMIKELRR KNLETQKEIA EDELVAAEAL
		LKKVKKLFGE SRGENEEMEK DLREKLADYK NKVDDAWDLL REATDKIREA NRLFAVNQKN MTALEKKKEA
		VESGKRQIEN TLKEGNDILD EANRLADEIN SIIDYVEDIQ TKLPPMSEEL NDKIDDLSQE IKDRKLAEKV

Figure 2g

Seq.IDNO	Name	Protein Sequence
		SQAESHAAQL NDSSAVLDGI LDEAKNISFN ATAAFKAYSN IKDYIDEAEK VAKEAKDLAH EATKLATGPR GLLKEDAKGC LQKSFRILNE AKKLANDVKE NEDHLNGLKT RIENADARNG DLLRTLNDTL GKLSAIPNDT AAKLQAVKDK ARQANDTAKD VLAQITELHQ NLDGLKKNYN KLADSVAKTN AVVKDPSKNK IIADADATVK NLEQEADRLI DKLKPIKELE DNLKKNISEI KELINQARKQ ANSIKVSVSS GGDCIRTYKP EIKKGSYNNI VVNVKTAVAD NLLFYLGSAK FIDFLAIEMR KGKVSFLWDV GSGVGRVEYP DLTIDDSYWY RIVASRTGRN GTISVRALDG PKASIVPSTH HSTSPPGYTI LDVDANAMLF VGGLTGKLKK ADAVRVITFT GCMGETYFDN KPIGLWNFRE KEGDCKGCTV SPQVEDSEGT ATRDLRDFMS VELTDGHIKV SYDLGSGMAS VVSNQNHNDG KWKSFTLSRI QKQANISIVD IDTNQEENIA TSSSGNNFGL DLKADDKIYF GGLPTLRNLS MKARPEVNLK KYSGCLKDIE ISRTPYNILS SPDYVGVTKG CSLENVYTVS FPKPGFVELS PVPIDVGTEI NLSFSTKNES GIILLGSGGT PAPPRRKRRQ TGQAYYVILL NRGRLEVHLS TGARTMRKIV IRPEPNLFHD GREHSVHVER TRGIFTVQVD ENRRYMQNLT VEQPIEVKKL FVGGAPPEFQ PSPLRNIPPF EGCIWNLVIN SVPMDFARPV SFKNADIGRC AHQKLREDED GAAPAEIVIQ PEPVPTPAFP TPTPVLTHGP CAAESEPALL IGSKQFGLSR NSHIAIAFDD TKVKNRLTIE LEVRTEAESG LLFYMAAINH ADFATVQLRN GLPYFSYDLG SGDTHTMIPT KINDGQWHKI KIMRSKQEGI LYVDGASNRT ISPKKADILD VVGMLYVGGL PINYTTRRIG PVTYSIDGCV RNLHMAEAPA DLEQPTSSFH VGTCFANAQR GTYFDGTGFA KAVGGFKVGL DLLVEFEFAT TTTTGVLLGI SSQKMDGMGI EMIDEKLMFH VDNGAGRFTA VYDAGVPGHL CDGQWHKVTA NKIKHRIELT VDGNQVEAQS PNPASTSADT NDPVFVGGFP DDLKQFGLTT SIPFRGCIRS LKLTKGTASH WRLILPRPWN
8	Elastin	MAGLTAAAPR PGVLLLLLSI LHPSRPGGVP GAIPGGVPGG VFYPGAGLGA LGGGALGPGG KPLKPVPGGL AGAGLGAGLG AFPAVTFPGA LVPGGVADAA AAYKAAKAGA GLGGVPGVGG LGVSAGAVVP QPGAGVKPGK VPGVGLPGVY PGGVLPGARF PGVGVLPGVP TGAGVKPKAP GVGGAFAGIP GVGPFGGPQP GVPLGYPIKA PKLPGGYGLP YTTGKLPYGY GPGGVAGAAG KAGYPTGTGV GPQAAAAAAA KAAAKFGAGA AGVLPGVGGA

Figure 2h

Seq.IDNO	Name	Protein Sequence
		GVPGVPGAIP GIGGIAGVGT PAAAAAAAAA AKAAKYGAAA GLVPGGPGFG PGVVGVPGAG VPGVGVPGAG IPVVPGAGIP GAAVPGVVSP EAAAKAAAKA AKYGARPGVG VGGIPTYGVG AGGFPGFGVG VGGIPGVAGV PSVGGVPGVG GVPGVGISPE AQAAAAAKAA KYGVGTPAAA AAKAAAKAAQ FALLNLAGLV PGVGVAPGVG VAPGVGVAPG VGLAPGVGVA PGVGVAPGVG VAPGIGPGGV AAAAKSAAKV AAKAQLRAAA GLGAGIPGLG VGVGVPGLGV GAGVPGLGVG AGVPGFGAVP GALAAAKAAK YGAAVPGVLG GLGALGGVGI PGGVVGAGPA AAAAAAKAAA KAAQFGLVGA AGLGGLGVGG LGVPGVGGLG GIPPAAAAKA AKYGAAGLGG VLGGAGQFPL GGVAARPGFG LSPIFPGGAC LGKACGRKRK
9	Alpha-2 type IV collagen	MGRDQRAVAG PALRRWLLLG TVTVGFLAQS VLAGVKKFDV PCGGRDCSGG CQCYPEKGGR GQPGPVGPQG YNGPPGLQGF PGLQGRKGDK GERGAPGVTG PKGDVGARGV SGFPGADGIP GHPGQGGPRG RPGYDGCNGT QGDSGPQGPP GSEGFTGPPG PQGPKGQKGE PYALPKEERD RYRGEPGEPG LVGFQGPPGR PGHVGQMGPV GAPGRPGPPG PPGPKGQQGN RGLGFYGVKG EKGDVGQPGP NGIPSDTLHP IIAPTGVTFH PDQYKGEKGS EGEPGIRGIS LKGEEGIMGF PGLRGYPGLS GEKGSPGQKG SRGLDGYQGP DGPRGPKGEA GDPGPPGLPA YSPHPSLAKG ARGDPGFPGA QGEPGSQGEP GDPGLPGPPG LSIGDGDQRR GLPGEMGPKG FIGDPGIPAL YGGPPGPDGK RGPPGPPGLP GPPGPDGFLF GLKGAKGRAG FPGLPGSPGA RGPKGWKGDA GECRCTEGDE AIKGLPGLPG PKGFAGINGE PGRKGDKGDP GQHGLPGFPG LKGVPGNIGA PGPKGAKGDS RTITTKGERG QPGVPGVPGM KGDDGSPGRD GLDGFPGLPG PPGDGIKGPP GDPGYPGIPG TKGTPGEMGP PGLGLPGLKG QRGFPGDAGL PGPPGFLGPP GPAGTPGQID CDTDVKRAVG GDRQEAIQPG CIAGPKGLPG LPGPPGPTGA KGLRGIPGFA GADGGPGPRG LPGDAGREGF PGPPGFIGPR GSKGAVGLPG PDGSPGPIGL PGPDGPPGER GLPGEVLGAQ PGPRGDAGVP GQPGLKGLPG DRGPPGFRGS QGMPGMPGLK GQPGLPGPSG QPGLYGPPGL HGFPGAPGQE GPLGLPGIPG REGLPGDRGD PGDTGAPGPV GMKGLSGDRG DAGFTGEQGH PGSPGFKGID GMPGTPGLKG DRGSPGMDGF QGMPGLKGRP GFPGSKGEAG FFGIPGLKGL AGEPGFKGSR GDPGPPGPPP

Figure 2i

Seq.IDNO	Name	Protein Sequence
		VILPGMKDIK GEKGDEGPMG LKGYLGAKGI QGMPGIPGLS GIPGLPGRPG HIKGVKGDIG VPGIPGLPGF PGVAGPPGIT GFPGFIGSRG DKGAPGRAGL YGEIGATGDF GDIGDTINLP GRPGLKGERG TTGIPGLKGF FGEKGTEGDI GFPGITGVTG VQGPPGLKGQ TGFPGLTGPP GSQGELGRIG LPGGKGDDGW PGAPGLPGFP GLRGIRGLHG LPGTKGFPGS PGSDIHGDPG FPGPPGERGD PGEANTLPGP VGVPGQKGDQ GAPGERGPPG SPGLQGFPGI TPPSNISGAP GDKGAPGIFG LKGYRGPPGP PGSAALPGSK GDTGNPGAPG TPGTKGWAGD SGPQGRPGVF GLPGEKGPRG EQGFMGNTGP TGAVGDRGPK GPKGDPGFPG APGTVGAPGI AGIPQKIAIQ PGTVGPQGRR GPPGAPGEIG PQGPPGEPGF RGAPGKAGPQ GRGGVSAVPG FRGDEGPIGH QGPIGQEGAP GRPGSPGLPG MPGRSVSIGY LLVKHSQTDQ EPMCPVGMNK LWSGYSLLYF EGQEKAHNQD LGLAGSCLAR FSTMPFLYCN PGDVCYYASR NDKSYWLSTT APLPMMPVAE DEIKPYISRC SVCEAPAIAI AVHSQDVSIP HCPAGWRSLW IGYSFLMHTA AGDEGGGQSL VSPGSCLEDF RATPFIECNG GRGTCHYYAN KYSFWLTTIP EQSFQGSPSA DTLKAGLIRT HISRCQVCMK NL
10	p27	MEASALTSSA VTSVAKVVRV ASGSAVVLPL ARIATVVIGG VVAMAAVPMV LSAMGFTAAG IASSSIAAKM MSAAAIANGG GVASGSLVGT LQSLGATGLS GLTKFILGSI GSAIAAVIAR FY
11	Reticulocalbin	MARGGRGRRL GLALGLLLAL VLAPRVLRAK PTVRKERVVR PDSELGERPP EDNQSFQYDH EAFLGKEDSK TFDQLTPDES KERLGKIVDR IDNDGDGFVT TEELKTWIKR VQKRYIFDNV AKVWKDYDRD KDDKISWEEY KQATYGYYLG NPAEFHDSSD HHTFKKMLPR DERRFKAADL NGDLTATREE FTAFLHPEEF EHMKEIVVLE TLEDIDKNGD GFVDQDEYIA DMFSHEENGP EPDWVLSERE QFNEFRDLNK DGKLDKDEIR HWILPQDYDH AQAEARHLVY ESDKNKDEKL TKEEILENWN MFVGSQATNY GEDLTKNHDE L
12	Aldehyde dehydrogenase 6	MATANGAVEN GQPDGKPPAL PRPIRNLEVK FTKIFINNEW HESKSGKKFA TCNPSTREQI CEVEEGDKPD VDKAVEAAQV AFQRGSPWRR LDALSRGRLL HQLADLVERD RATLAALETM DTGKPFLHAF FIDLEGCIRT

Figure 2j

Seq.IDNO	Name	Protein Sequence
		LRYFAGWADK IQGKTIPTDD NVVCFTRHEP IGVCGAITPW NFPLLMLVWK LAPALCCGNT MVLKPAEQTP LTALYLGSLI KEAGFPPGVV NIVPGFGPTV GAAISSHPQI NKIAFTGSTE VGKLVKEAAS RSNLKRVTLE LGGKNPCIVC ADADLDLAVE CAHQGVFFNQ GQCCTAASRV FVEEQVYSEF VRRSVEYAKK RPVGDPFDVK TEQGPQIDQK QFDKILELIE SGKKEGAKLE CGGSAMEDKG LFIKPTVFSE VTDNMRIAKE EIFGPVQPIL KFKSIEEVIK RANSTDYGLT AAVFTKNLDK ALKLASALES GTVWINCYNA LYAQAPFGGF KMSGNGRELG EYALAEYTEV KTVTIKLGDK NP
13	Gravin	MGAGSSTEQR SPEQPPEGSS TPAEPEPSGG GPSAEAAPDT TADPAIAASD PATKLLQKNG QLSTINGVAE QDELSLQEGD LNGQKGALNG QGALNSQEEE EVIVTEVGQR DSEDVSERDS DKEMATKSAV VHDITDDGQE ENRNIEQIPS SESNLEELTQ PTESQANDIG FKKVFKFVGF KFTVKKDKTE KPDTVQLLTV KKDEGEGAAG AGDHQDPSLG AGEAASKESE PKQSTEKPEE TLKREQSHAE ISPPAESGQA VEECKEEGEE KQEKEPSKSA ESPTSPVTSE TGSTFKKFFT QGWAGWRKKT SFRKPKEDEV EASEKKKEQE PEKVDTEEDG KAEVASEKLT ASEQAHPQEP AESAHEPRLS AEYEKVELPS EEQVSGSQGP SEEKPAPLAT EVFDEKIEVH QEEVVAEVHV STVEERTEEQ KTEVEETAGS VPAEELVGMD AEPQEAEPAK ELVKLKETCV SGEDPTQGAD LSPDEKVLSK PPEGVVSEVE MLSSQERMKV QGSPLKKLFT STGLKKLSGK KQKGKRGGGD EESGEHTQVP ADSPDSQEEQ KGESSASSPE EPEEITCLEK GLAEVQQDGE AEEGATSDGE KKREGVTPWA SFKKMVTPKK RVRRPSESDK EDELDKVKSA TLSSTESTAS EMQEEMKGSV EEPKPEEPKR KVDTSVSWEA LICVGSSKKR ARRRSSSDEE GGPKAMGGDH QKADEAGKDK ETGTDGILAG SQEHDPGQGS SSPEQAGSPT EGEGVSTWES FKRLVTPRKK SKSKLEEKSE DSIAGSGVEH STPDTEPGKE ESWVSIKKFI PGRRKKRPDG KQEQAPVEDA GPTGANEDDS DVPAVVPLSE YDAVEREKME AQQAQKGAEQ PEQKAATEVS KELSESQVHM MAAAVADGTR AATIIEERSP SWISASVTEP LEQVEAEAAL LTEEVLEREV IAEEEPPTVT EPLPENREAR GDTVVSEAEL TPEAVTAAET AGPLGSEEGT EASAAEETTE MVSAVSQLTD SPDTTEEATP VQEVEGGVPD IEEQERRTQE VLQAVAEKVK

Figure 2k

Seq.IDNO	Name	Protein Sequence
		EESQLPGTGG PEDVLQPVQR AEAERPEEQA EASGLKKETD VVLKVDAQEA KTEPFTQGKV VGQTTPESFE KAPQVTESIE SSELVTTCQA ETLAGVKSQE MVMEQAIPPD SVETPTDSET DGSTPVADFD APGTTQKDEI VEIHEENEVA SGTQSGGTEA EAVPAQKERP PAPSSFVFQE ETKEQSKMED TLEHTDKEVS VETVSILSKT EGTQEADQYA DEKTKDVPFF EGLEGSIDTG ITVSREKVTE VALKGEGTEE AECKKDDALE LQSHAKSPPS PVEREMVVQV EREKTEAEPT HVNEEKLEHE TAVTVSEEVS KQLLQTVNVP IIDGAKEVSS LEGSPPPCLG QEEAVCTKIQ VQSSEASFTL TAAAEEEKVL GETANILETG ETLEPAGAHL VLEEKSSEKN EDFAAHPGED AVPTGPDCQA KSTPVIVSAT TKKGLSSDLE GEKTTSLKWK SDEVDEQVAC QEVKVSVAIE DLEPENGILE LETKSSKLVQ NIIQTAVDQF VRTEETATEM LTSELQTQAH VIKADSQDAG QETEKEGEEP QASAQDETPI TSAKEESEST AVGQAHSDIS KDMSEASEKT MTVEVEGSTV NDQQLEEVVL PSEEEGGGAG TKSVPEDDGH ALLAERIEKS LVEPKEDEKG DDVDDPENQN SALADTDASG GLTKESPDTN GPKQKEKEDA QEVELQEGKV HSESDKAITP QAQEELQKQE RESAKSELTE S
14	Nidogen	MLASSSRIRA AWTRALLLPL LLAGPVGCLS RQELFPFGPG QGDLELEDGD DFVSPALELS GALRFYDRSD IDAVYVTTNG IIATSEPPAK ESHPGLFPPT FGAVAPFLAD LDTTDGLGKV YYREDLSPSI TQRAAECVHR GFPEISFQPS SAVVVTWESV APYQGPSRDP DQKGKRNTFQ AVLASSDSSS YAIFLYPEDG LQFHTTFSKK ENNQVPAVVA FSQGSVGFLW KSNGAYNIFA NDRESIENLA KSSNSGQQGV WVFEIGSPAT TNGVVPADVI LGTEDGAEYD DEDEDYDLAT TRLGLEDVGT TPFSYKALRR GGADTYSVPS VLSPRRAATE RPLGPPTERT RSFQLAVETF HQQHPQVIDV DEVEETGVVF SYNTDSRQTC ANNRHQCSVH AECRDYATGF CCSCVAGYTG NGRQCVAEGS PQRVNGKVKG RIFVGSSQVP IVFENTDLHS YVVMNHGRSY TAISTIPETV GYSLLPLAPV GGIIGWMFAV EQDGFKNGFS ITGGEFTRQA EVTFVGHPGN LVIKQRFSGI DEHGHLTIDT ELEGRVPQIP

Figure 21

Seq.IDNO	Name	Protein Sequence
		FGSSVHIEPY TELYHYSTSV ITSSSTREYT VTEPERDGAS PSRIYTYQWR QTITFQECVH DDSRPALPST QQLSVDSVFV LYNQEEKILR YAFSNSIGPV REGSPDALQN PCYIGTHGCD TNAACRPGPR TQFTCECSIG FRGDGRTCYD IDECSEQPSV CGSHTICNNH PGTFRCECVE GYQFSDEGTC VAVVDQRPIN YCETGLHNCD IPQRAQCIYT GGSSYTCSCL PGFSGDGQAC QDVDECQPSR CHPDAFCYNT PGSFTCQCKP GYQGDGFRCV PGEVEKTRCQ HEREHILGAA GATDPQRPIP PGLFVPECDA HGHYAPTQCH GSTGYCWCVD RDGREVEGTR TRPGMTPPCL STVAPPIHQG PAVPTAVIPL PPGTHLLFAQ TGKIERLPLE GNTMRKTEAK AFLHVPAKVI IGLAFDCVDK MVYWTDITEP SIGRASLHGG EPTTIIRQDL GSPEGIAVDH LGRNIFWTDS NLDRIEVAKL DGTQRRVLFE TDLVNPRGIV TDSVRGNLYW TDWNRDNPKI ETSYMDGTNR RILVQDDLGL PNGLHFDAFS SQLCWVDAGT NRAECLNPSQ PSRRKALEGL QYPFAVTSYG KNLYFTDWKM NSVVALDLAI SKETDAFQPH KQTRLYGITT ALSQCPQGHN YCSVNNGGCT HLCLATPGSR TCRCPDNTLG VDCIERK
15	Phospholipase C Epsilon	MPSEKKISSA NDCISFMQAG CELKKVRPNS RIYNRFFTLD TDLQALRWEP SKKDLEKAKL DISAIKEIRL GKNTETFTNN GLADQICEDC AFSILHGENY ESLDLVANSA DVANIWVSGL RYLVSRSKQP LDFMEGNQNT PRFMWLKTVF EAADVDGNGI MLEDTSVELI KQLNPTLKEA KIRLKFKEIQ KSKEKLTTRV TEEEFCEAFC ELCTRPEVYF LLVQISKNKE YLDANDLMLF LEAEQGVTHI TEDICLDIIR RYELSEEGRQ KGFLAIDGFT QYLLSSECDI FDPEQKKVAQ DMTQPLSHYY INASHNTYLI EDQFRGPADI NGYIRALKMG CRSVELDVSD GSDNEPILCN RNNMTTHVSF RSVIEVINKF AFVASEYPLI LCLGNHCSLP QQKVMAQQMK KVFGNKLYTE APLPSESYLP SPEKLKRMII VKGKKLPSDP DVLEGEVTDE DEEAQMSRRM SVDYNGEQKQ IRLCRELSDL VSICKSVQYR DFELSMKSQN YWEMCSFSET EASRIANEYP EDFVNYNKKF LSRIYPSAMR IDSSNLNPQD FWNCGCQIVA MNFQTPGPMM DLHTGWFLQN GGCGYVLRPS IMRDEVSYFS ANTKGILPGV SPLALHIKII SGQNFPKPKG ACAKGDVIDP YVCIEIHGIP ADCSEQRTKT VQQNSDNPIF DETFEFQVNL PELAMIRFVV LDDDYIGDEF IGQYTIPFEC LQPGYRHVPL RSFVGDIMEH VTLFVHIAIT NRSGGGKAQK RSLSVRMGKK

Figure 2m

Seq.IDNO	Name	Protein Sequence
		VREYTMLRNI GLKTIDDIFK IAVHPLREAI DMRENMQNAI VSIKELCGLP PIASLKQCLL TLSSRLITSD NTPSVSLVMK DSFPYLEPLG AIPDVQKKML TAYDLMIQES RFLIEMADTV QEKIVQCQKA GMEFHEELHN LGAKEGLKGR KLNKATESFA WNITVLKGQG DLLKNAKNEA IENMKQIQLA CLSCGLSKAP SSSAEAKSKR SLEAIEEKES SEENGKL